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This award supported the University of Maryland PhD studies of Randy C. Paffenroth. He completed his thesis in January 1999, and is now a postdoc at the Center for Research in Parallel Computing, California Institute of Technology. The thesis title was 'Mathematical Visualization, Parameter Continuation, and Steered Computations'.

In addition Paffenroth is an author on the following publications.

- 1. Case study: Visualization for Boundary Value Problems
 Randy C Paffenroth and Gabor Domokos
 IEEE Visualization '94 Conference Proceedings (1994) page 345-346
- 2. Interactive Computation. Parameter Continuation, and Visualization

 John Maddocks, Robert Manning, Randy Paffenroth, Kathleen Rogers, and

 Jeremy Warner,

 Int. J. Bif. Chaos 7 (1997) 1699.
- 3. VBM and MCCC: Packages for Objected Oriented Visualization and Computation of Bifurcation Manifolds

Randy C. Paffenroth

Michael E. Henderson, Christopher R. Anderson, and Stephen L. Lyons, Editors Object Oriented Methods for Interoperable Scientific and Engineering Computing Proceedings of the 1998 SIAM Workshop, 255-263 ISBN: 0-89871-445-1

Finally the software VBM the development of which formed a major part of the PhD work of Paffenroth was the subject of a talk at the International Congress of Mathematicians in Berlin, 1998, in the Special Session on Mathematical Software. An HTML version of the presentation is available online at http://lcvmwww.epfl.ch/VBM/ICM/index.html.